

Technical Data	HI-5K-TH	HI-6K-TH	HI-8K-TH	HI-10K-TH	HI-12K-TH
PV String Input Data					
Max. DC input power	7500W	9000W	12000W	15000W	18000W
Max. DC input voltage	1000V				
Nominal input voltage	600V				
MPPT working voltage range	180V-950V				
Number of independent MPPT/strings per MPPT	2/1				
MPPT max. current	20A/20A				
Start-up voltage	200V				
AC Output/Input Data (On-grid)					
Nominal output apparent power	5000W	6000W	8000W	10000W	12000W
Max. output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal output voltage	400V±20%				
Nominal ouput frequency	50Hz, 60Hz/±5Hz				
Rated ouput current	7.3A	8.7A	11.6A	14.5A	17.4A
Max. output current	8A	10A	13A	16A	19A
Power factor	-0.8~+0.8(adjustable)				
THDi	<3%(Nominal Output)				
Grid system pattern	3L+N+PE				
Max.apparent power from utility grid	10000VA	12000VA	16000VA	20000VA	24000VA
Max.AC current from utility grid	16A	20A	26A	32A	38A
Back-up Output Data (UPS)					
Nominal output apparent power	5000VA	6000VA	8000VA	10000VA	12000VA
Max output apparent power	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal output voltage	400±20%				
Nominal ouput frequency	50Hz/60Hz				
Output THDV	<3%				
Automatic switch time	<10ms				
Battery Input Data					
Battery type	Li-Ion				
Battery voltage range	150V-750V				
Max. charging/discharging current	30A				
Charging strategy for Li-Ion battery	Self-adaption to BMS				
Efficiency					
Max. efficiency	98%				
Europe efficiency	97.5%				
Max. battery to load efficiency	98%				
Protection					
Anti islanding protection	Yes				
Insulation impedance protection	Yes				
RCD detection	Yes				
PV reverse polarity protection	Yes				
Output over voltage protection	Yes				
Output over current protection	Yes				
General Data					
Dimensions(L/W/H)in mm	403/284/463				
Weight	30kg				
Operation temperature range	-25°C~+60°C				
Heat dissipation mode	Natural				
IP Class	IP 66				
Maximum altitude	3000m				
Self-Consumption night	<5w				
Topology	Transformerless				
Features					
LCD display	Yes				
Communication interface	WiFi/4G/USB/CAN/RS485				
Standards	IEC 62109-1/IEC 62109-2/EN IEC 61000-6-1/EN IEC 61000-6-3/CEI 0-21/VDE AR 4105/VDE V 0124-100/NC RfG/PSE/PTPiREE/EN 50549-1/NRS 097				